



# CENTER OF OUR STRENGTH

Program Executive Office Soldier



## Product Manager Soldier Protective Equipment

Advanced Planning Brief to Industry

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Soldier Protective Equipment



# Mission



**Increase the Warfighter lethality and mobility,  
by optimizing Soldier protection while  
effectively managing all life cycle aspects of  
personal protective equipment**

***Army Strong – Soldier Protected***



# Areas of Responsibility



**MAJ Jason Morneault**



**MAJ Scott Madore**



**CPT Sam Choi**



**Dr. Thomas Pojeta**



**Advanced Combat Helmet (ACH)**



**NAPE/Neck Protector**



**Enhanced Small Arms Protective Insert (ESAPI)**



**XSAPI**



**Improved Outer Tactical Vest (IOTV)**



**Non Destructive Test Equipment (NDTE)**



**Heads HS**



**SHARK HS**



**ESBI**



**XSBI**



**Advanced Bomb Suit/EOD 9 Helmet (ABS)**



**Improved Cupola Protective Ensemble (ICPE)**



**Combat Vehicle Crewman Helmet**



**Enhanced Combat Helmet (ECH)**



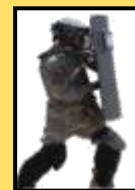
**Plate Carrier**



**Family of Concealable Body Armor (FoCBA)**



**Concealable Body Armor (CBA)**



**Ballistic-Non Ballistic Protection**



**Military Combat Eye Protection (MCEP)**



# Current Focus



- ❖ **Soldier Protection System (SPS) Capabilities Development Document (CDD) entered world-wide staffing APR 11.**
  - **Scheduled for approval by JROC in 4QFY12**
  - **System Development (MS B) scheduled in 2QFY13**
  - **Production (MS C) scheduled in 4QFY14**
  - **The CDD serves as the overarching document that allows multiple Capability Production Documents (CPDs) to be written using an evolutionary approach. The SPS includes vital torso (front, back and side ballistic plates), torso (soft armor), lower and upper extremities, head, eye, hearing, and maxillofacial protection.**
- ❖ **Integrate Smart Sensor technology into hard armor plates / weight reduction**
- ❖ **Lower the weight (<1.0 AD) of soft armor in the GEN III Improved Outer Tactical Vest in FY12 contracts**
- ❖ **Execute Soldier Protection Demonstration IX “Weight Redistribution”**
  - **Begin to examine potential design solutions for the SPS**
  - **Inform SPS CPD requirements**



# Current Focus



- ❖ **Lower the weight of the Advanced Combat Helmet (3.06 Lbs to 2.56 Lbs – Size M) by modernizing through sustainment (same ballistic requirement)**
- ❖ **Advance screw-less helmet retention system technologies**
- ❖ **Improve helmet suspension pad system and impact protection**
- ❖ **Improve pelvic protection capabilities**
  - **Improve pelvic protection capabilities**
  - **Develop improved system to provide protection from blast and penetrating injuries to the groin area which affect the colon, femoral artery, and genitalia**
  - **Maximize protection and user acceptance**



# Current Focus



## ❖ **Military Combat Eye Protection (MCEP) program**

- **Advance frequency agile laser eye protection**
- **Improve abrasion and fog resistance**
- **Advance variable transmission lens technologies**
- **Establish a common Rx interface**

## ❖ **Family of Concealable Body Armor**

- **Type 1 – Level III-A Ballistic / Level 1 Stab**
- **Type 2 – Level 3 Stab**
- **Enter system development in 3QFY11**
- **Enter production in 4QFY12 (17,624 vests – Type 1 / 2,300 vests – Type 2)**



# Partnering with Industry



- ❖ **Soldier Enhancement Program**
- ❖ **Soldier Protection Demonstrations**
- ❖ **Small Business Innovative Research (SBIR)**
- ❖ **Broad Area Announcement**
  - **Submit White Papers on Design Concepts/Projects**
- ❖ **Commercial Product Offering**

